

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1.-2. (Canceled).
3. (Previously Presented) Method in accordance with claim 11, wherein the air jet is directed into the cabin from a ceiling area.
4. (Canceled).
5. (Previously Presented) Method in accordance with claim 11, wherein, as the temperature of the air jet rises, its impulse is increased.
- 6.-7. (Canceled).
8. (Currently Amended) Device in accordance with claim 22 [[7]], wherein the temperature sensor component includes a shape memory alloy.
9. (Currently Amended) Device in accordance with claim 22 [[7]], wherein the temperature sensor component has a bi-metallic element.

10. (Currently Amended) Device in accordance with claim 22 [[12]], further comprising:

a second temperature sensor adapted to measure the temperature of the air jet at a location spaced away from the guide pipe.

11. (Currently Amended) Method for air-conditioning an aircraft cabin, comprising:

directing at least one air jet into the aircraft cabin with a guide pipe;

measuring the temperature of the air jet with a temperature sensor having a temperature-dependent form; [[and]]

altering an angle the direction and the impulse of the air jet with respect to a vertical direction ~~depending upon the measured temperature, wherein the altering occurs via rotation of a structure including a rotation device~~ according to a change of form of the temperature sensor, wherein the angle of the air jet with respect to the vertical direction is continuously variable within a range of 10° to 90° based on the change of form of the temperature sensor such that, as the temperature of the air jet rises, the angle of the air jet is made smaller; and

altering an impulse of the air jet according to the change of form of the temperature sensor by changing a cross-section of an outlet in communication with the guide pipe.

12.-21. (Canceled).

22. (New) Device for air-conditioning an aircraft cabin comprising:
- a rotation device;
 - a guide pipe adapted to direct at least one air jet into the aircraft cabin; and
 - a temperature sensor having a temperature-dependent form, the temperature sensor operating to:
 - measure the temperature of the at least one air jet,
 - actuate rotation of the rotation device to alter an angle of the air jet with respect to a vertical direction, wherein the angle of the air jet is continuously variable within a range of 10° to 90° based on a change of form of the temperature sensor, such that, as the temperature of the air jet rises, the angle of the air jet is made smaller, and
 - alter an impulse of the air jet according to the change of form of the temperature sensor by actuating a change in the cross-section of an outlet in communication with the guide pipe.